



ANALYZER FLOW CHART AS A TOOL FOR AEROMEDICAL SUPPORT: A DESCRIPTIVE STUDY

O FLUXOGRAMA ANALISADOR COMO FERRAMENTA PARA O APOIO AEROMÉDICO: UM ESTUDO DESCRITIVO

EL DIAGRAMA DE FLUJO ANALIZADOR HERRAMIENTA PARA EL APOYO AÉREOMEDICO: UN ESTUDIO DESCRIPTIVO

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ABSTRACT

Objective: to analyze the aeromedical drive process in Grouping Air Operations of Rio de Janeiro / RJ. **Method:** a descriptive study of qualitative approach, which in the initial phase uses the Action General Standards of pre-hospital care and notes published on activation of air medical services. These will be compared with the literature and validated by the participants through a structured questionnaire and group dynamics guided by the logic of permanent health education. **Expected results:** show the preparation of the analyzer flowchart as a tool used in making management and operational decisions of mobile pre-hospital care teams, guiding mobile Prehospital care staff in the proper application of aeromedical rescue. **Conclusion:** the continuing health education and the publication of an analyzer flowchart with aeromedical, the trigger criteria aims to demystify this service among professionals of pre-hospital care and expand the use of water to the population. **Descriptors:** Education; Air Ambulances; Emergency Medical Services.

RESUMO

Objetivo: analisar o processo de acionamento aeromédico no Grupamento de Operações Aéreas do Rio de Janeiro/RJ. **Método:** estudo descritivo, de abordagem qualitativa que, na fase inicial, utilizará as Normas Gerais de Ação do Atendimento pré-hospitalar e notas publicadas sobre acionamento do serviço aeromédico. Estas serão confrontadas com a literatura e validadas pelos participantes do estudo mediante questionário estruturado, e a dinâmica de grupo, norteadas pela lógica da educação permanente em saúde. **Resultados esperados:** mostrara elaboração do fluxograma analisador como instrumento utilizado na tomada de decisões gerenciais e operacionais das equipes de atendimento pré-hospitalar móvel, norteadas a equipe de atendimento pré-hospitalar móvel na adequada solicitação do socorro aeromédico. **Conclusão:** a educação permanente em saúde e a publicação de um fluxograma analisador com os critérios de acionamento do aeromédico visam a desmistificar este serviço entre os profissionais do atendimento pré-hospitalar e a ampliar a utilização deste recurso à população. **Descritores:** Educação; Resgate Aéreo; Serviços Médicos de Emergência.

RESUMEN

Objetivo: analizar el proceso de accionamiento Aeromedical en la agrupación de las operaciones aéreas de Río de Janeiro/RJ. **Método:** estudio descriptivo, de enfoque cualitativo, que en la fase inicial se utiliza las normas generales de acción de atención pre-hospitalaria y notas publicadas en el servicio aeromédico. Estas serán confrontadas frente a la literatura y validadas por los participantes del estudio a través de cuestionario estructurado y dinámicas de grupo, guiados por la lógica de la educación permanente en salud. **Resultados esperados:** mostrar la elaboración del diagrama de flujo como instrumento analizador utilizado en la gestión y cuidado de las decisiones operacionales de los equipos móviles de atención pre-hospitalaria, guiando el equipo prehospitalario en la solicitud de asistencia aeromédicas móvil adecuada. **Conclusión:** la educación permanente en salud y la publicación de un diagrama de flujo analizador con los criterios de accionamiento del aeromédico visan desmitificar este servicio entre los profesionales de la atención pre-hospitalaria y extender el uso de este recurso a la población. **Descritores:** Educación; Ambulancias Aéreas; Servicios Médicos de Urgencia.

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INTRODUCTION

The Aeromedical, transport by air under medical supervision for the adequate treatment¹, rapid on-site support is expected in emergency situations and emergency and referral to the referral hospital in less time, with necessary resources for advanced pre-hospital care. The ordinance 2048 2002 describes that the call made by aircraft must always be considered as advanced life support and for cases of primary mobile prehospital care, atraumatic and secondary, must rely on the pilot, a doctor, and a nurse.²

The Grouping Operations Airlines in Rio de Janeiro is responsible for different types of missions, but related to the health area it operates throughout the territory of the state of Rio de Janeiro in the form of intra-hospital transport (IHT) adult and neonatal and Aeromedical evacuation (AME), to meet the pre-hospital setting. The aeromedical team of the Grouping Airline Operations of Rio de Janeiro is formed by the helicopter pilot, the doctor, the nurse and nursing technician.

Preliminary analysis shows a mismatch between the demand for care indicated for the activation of the air medical service in Rio de Janeiro, to the flow (real) requests, a field to be understood. Thus the paradox between the high number of accident occurrences in Rio de Janeiro / RJ and the amount of support performed by aeromedical professionals lead the Air Grouping to suggest hypotheses that call for the re-evaluation of the employee activation process.

The collective construction of reflexive processes and preparation of analysis of the work method to change the design and the training practices of health service workers brings the use of the logic of Continuing Health Education (CHE)³ as a strategy in building a professional mobile prehospital land approach to Grouping Air Operations bringing the expectation of rearrangements in the request of Aeromedical support.

OBJECTIVES

- To analyze the aeromedical drive process in Grouping Air Operations of Rio de Janeiro / RJ.
- To develop an analytic flowchart to guide land PCA teams in the decision making process of the aeromedical drive support.
- To develop educational strategies for clarification of land PCA teams, for the driving directions of aeromedical rescue.

METHOD

This is a descriptive qualitative study within the Grouping Air Operations (GAO) with professionals linked to the Grouping Air Operations of Rio de Janeiro / RJ. All data collection steps are inside the detachment of the GAO and elapse in the second half of the year 2016.

The study brings to light on what strategies could improve the use of aeromedical assistance by the applicants teams of pre-hospital care in Rio de Janeiro/RJ?

In the first phase, the study will use as the General Rules sources prehospital care Action, institutional notes published in internal bulletins of the State Fire Department of Rio de Janeiro on the activation of the air medical services, and documentary survey of statistical content of requests of aeromedical support in 2015.

The second phase of the study is composed of confrontation analysis of documentary information of phase I, under the structured individual interviews processing proposition applied to members of the nursing staff, doctors and pilots of GAO, who worked on the aeromedical team in the year 2015. For this phase is estimated the participation of 14 members of the aeromedical team.

The third and final phase of this study corresponds to the analysis of the results of the previous phases and the development of a dynamic group of professionals in the Grouping Air Operations, where it will be exposed to a film lasting 10 minutes, which tells a fictional story OF one Aeromedical support and a basic ambulance City of Niagara Falls in the State of Rio de Janeiro/RJ.

A preliminary analyzer flow chart will also be presented to the participants of this final phase, where it will be discussed, based on similar situations exposed by video with the prospect of building a definitive analyzer flowchart that will serve to guide the land PCA team in decision-making the aeromedical drive support. For Group Dynamics we estimate the participation of 36 members of the Grouping Air Operations.

This study established the following inclusion criteria: Military Firefighters of the State of Rio de Janeiro/RJ, who have had direct or indirect experience in 2015 with the aeromedical service, specializing in Operational Crew Course. Exclusion criteria limited the following situations: Professional Grouping of Air Operations that are on vacation or leave during data collection, those attached to other services.

The research project was approved by the Ethics Committee of the Universidade Federal Fluminense, in the Opinion No. 1,207,657 issued on 31.08.2015.

EXPECTED RESULTS

For the analysis of data and the intersection of information obtained from the field research creates the expectation of drawing an analyzer flowchart with the idea of contributing in making management and operational decisions of mobile pre-hospital care teams, with the prospect of decreasing the response time service and guide the mobile pre-hospital care teams for the proper application of aeromedical rescue.

It is understood that only the development and publication of institutional Analyzer Flowchart newsletters, will not be sufficient to reach all members of the pre-hospital setting of the state of Rio de Janeiro/RJ, therefore, the research also aims to develop educational strategies, the logic of Continuing Education in Health for clarification of land PCA teams, for the driving directions of aeromedical rescue.

Educational strategies aim to achieve not only the teams from the State Fire Department of Rio de Janeiro/RJ, plus any Public of Private Network and working directly in the care of victims of pre-hospital setting in the city of Rio de Janeiro Janeiro/RJ, Brazil.

This study intends to build a partnership with participating educational proposals that fit with the logic used in EPS, to be used together with the members of the mobile prehospital activity of the State of Rio de Janeiro/RJ, Brazil. These educational strategies aim to use the experiences from the PCA workers, to improve the Aeromedical drive cycle and thus contribute to the expansion in coverage provided to the Carioca population.

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